



State of California  
Department of Fish and Wildlife

## Memorandum

Date: July 7, 2017

To: Scott Wilson  
Regional Manager  
Bay Delta Region

From: Felipe La Luz  
Environmental Scientist  
Bay Delta Region

Subject: 2017 Summer Townet Survey Delta Smelt Abundance Index

The annual Summer Townet Delta Smelt abundance index for 2017 is 0.2. It is the third lowest index on record and follows two years in which the index was zero (Figure1).

The annual index is the average of the first two survey indices. Survey indices are calculated by multiplying Delta Smelt catch at each station by a station-specific weighting factor. We sum these weighted catches for the 31 index stations and divide this sum by 1000. Catch from nine supplemental stations in the Napa River, Cache Slough, and Sacramento Deep Water Ship Channel are not included in the index (Figure 2).

The first two surveys of 2017 were conducted during the weeks of June 11 and June 25. During the first survey, one Delta Smelt was collected in Grizzly Bay. During the second Survey, three Delta Smelt were collected in Grizzly Bay and two were collected in Suisun Bay. One additional Delta Smelt was collected at a supplemental station in the Sacramento Deep Water Ship Channel during the second survey.

**Cc:** Marty Gingras  
Randy Baxter  
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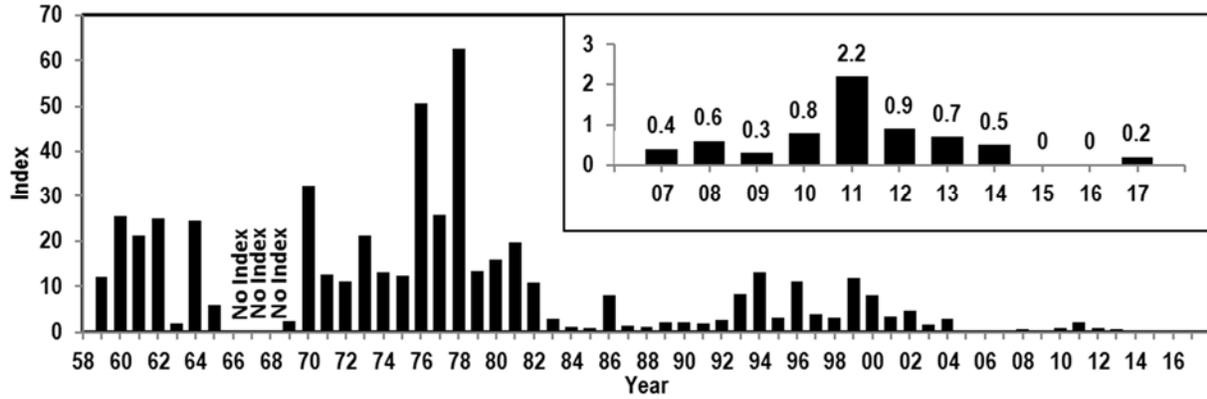


Figure 1. Summer Townet Survey Delta Smelt annual abundance indices 1959-2017 with inset showing indices from 2007 to 2017.

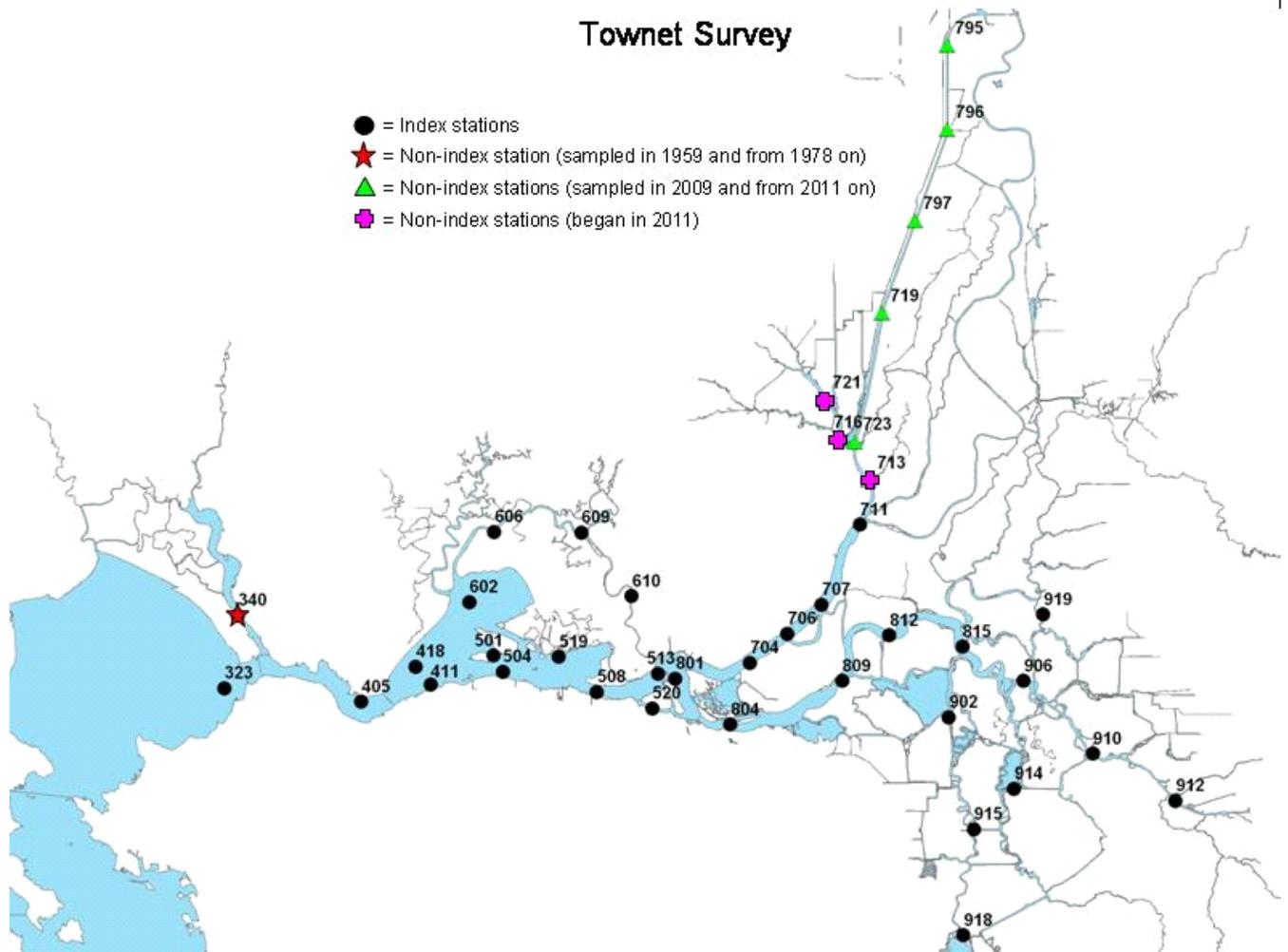


Figure 2. Map of Summer Townet Survey index and non-index station locations.